PATENT COOPERATION TREATY							
From the INTERNATIONAL SEARCHING AUTHORITY							
To: RAYMOND A. MILLER PEPPER HAMILTON LLP					PCT		
500 GRANT STREET ONE MELLON BANK CENTER, 50TH FLOOR PITTSBURGH, PA 15219					WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY		
					(PCT Rule 43bis.1)		
					Date of mailing (day/month/year) 11 SEP 2008		
Applicant	's or agent's file r	eference			FOR FURTHER ACTION		
112911.02					See paragraph 2 below		
	nal application No	١.			(day/month/year)	Priority date (day/month/year)	
PCT/US07/81260 12 October 2007 (12.10 International Patent Classification (IPC) or both national classification						13 October 2006 (13.10.2006)	
	G06F 19/00( 200				on and tre		
	702/19,27;703/11	J.013,G00G 7	36( 2000.				
Applicant				,			
THE TRU	ISTEES OF THE	UNIVERSIT	OF PRIN	CETON			
1. This opinion contains indications relating to the following items:							
$\bowtie$	Box No. 1 Basis of the opinion						
	Вох №. П	Priority	Priority				
$\boxtimes$	Box No. III	III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
	Box No. IV	Leck of unity of invention					
$\boxtimes$	· Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
	Box No. VI	Certain documents cited					
	Box No. VII	Certain defe	cts in the i	nternational app	dication		
	Box No. VIII	Certain obs	rvations o	n the internation	nal application	,	
2. FURTHER ACTION							
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority ofter than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bu/6) that written opinions of this International Searching Authority will not be so considered.							
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 to before the expiration of 22 months from the priority date, whichever expires later.  For further ontions, see Form PCT/ISA/220.							
to the opening section it entroverse.							
3. For further details, see notes to Form PCT/ISA/220.							
Name and	mailing address of	f the ISA/ US	- T	Date of complet	ion of this opinion	Authorized officer	

12 August 2008 (12.08.2008)

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Form PCT/ISA/237 (cover sheet)(April 2007)

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US07/81260

Box No. I Basis of this opinion										
1. With regard to the language, this opinion has been established on the basis of:										
. 🖂	the i	the international application in the language in which it was filed								
		a translation of the international application into which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).								
2.	This	opinion has been established taking into account the rectification of a	obvious mistake authorized by or notified to this							
	regan	ority under Rule 91 (Rule 43bis.1(a)) I to any nucleotide and/or amino acid sequence disclosed in the on the basis of:	international application, this opinion has been							
. a.	type	of material								
		a sequence listing								
		table(s) related to the sequence listing	·							
	-									
ъ.	form	at of material								
		on paper								
		in electronic form								
C.	time	of filing/furnishing								
		contained in the international application as filed.								
		filed together with the international application in electronic form.	•							
		furnished subsequently to this Authority for the purposes of search.								
4. 🗀	or fu	dition, in the case that more than one version or copy of a sequence list mished, the required statements that the information in the subsequer	t or additional copies is identical to that in the							
	appli	cation as filed or does not go beyond the application as filed, as approp	iate, were furnished.							
5. Additi	ional c	omments:								
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		,								

Form PCT/ISA/237(Box No. I) (April 2007)

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
POTE 1502 PLACE

Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been examined in respect of:						
the entire international application						
Claims Nos. 18-34						
because:						
the said international application, or the said claim Nos. 18-34 relate to the following subject matter which does not require an international scarch (specify):						
Applicants did not elect to pay the additional fees required to search the noted claims.						
•						
the description, claims or drawings (indicate particular elements below) or said claims Nos are so unclear that no meaningful opinion could be formed (specify):						
the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed (psecify):						
_						
no international search report has been established for said claims Nos. 18-34						
a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit:						
furnish a sequence listing on paper complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.						
furnish a sequence listing in electronic form complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.						
pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rules 13ter.1(a) or (b).						
a meaningful opinion could not be formed without the tables related to the sequence listings; the applicant did not, within the prescribed time limit, furnish such tables in electronic form complying with the technical requirements provided for in Annex C-bis of the Administrative Instructions, and such tables were not available to the International Searching Authority in a form and manner acceptable to it.						
the tables related to the nucleotide and/or amino acid sequence listing, if in electronic form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.						
See Supplemental Box for further details.						

Form PCT/ISA/237 (Box No. III) (April 2007)

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

application, creations and expensions supporting such statement					
1. Statement					
Novelty (N)	Claims NONE	YES			
	Claims 1-17	NO			
Inventive step (IS)	Claims NONE	YES			
	Claims 1-17	No			
Industrial applicability (IA)	Claims 1-17	YES			
	Claims NONE	NO			
<u>.</u>					

## 2. Citations and explanations:

Claims 1-17 lack novelty and an inventive step under PCT Article 33(7),6(3) as being amticipated by McCluskey et al. (Anti-Cancer Drug Design, 2001, 16:291-303) who teach a method of identifying a new class of protein phosphatase 2a inhibitor compounds by rationally designing said compounds by using the three-dimensional atomic coordinates of a modeled PP2A structure. The ratched utilizes the three-dimensional molecular modeling alignrithm/program Cenius 2-Lignaffit (see p. 298, 1° column, Docking sulcies; also seep, 294, 1st column, 1st two peragraphs) to ascertain the exact binding mode of candidate compounds murbers 24 and 23, which are synthesized compounds. It is noted that claims are drawn to productly-process compounds wherein said process of generating said compounds on the control of the compounds of o

Claims 1.17 also bet novelly and an inventive step under PCT Article 33(2)A(3) as being satisfasted by Sakoff & McClustkey (CUT. PHARM. Design, 2004), 10:1135-93 by the tech many different PPAA compands that ere not adiabatic sold on minoryosytin-LR, but which are natelyous to fishee compounds and which inhabit PPAA (see Sections 3.1.1 (Table 1) and 3.1.3 (Table 4), respectively). Any other compounds are thing the period of the compounds are subject to the compounds are subject to the compounds are subject to the period of the p

Claims 1-17 meet the criteria set out in PCT Article 33(4), and thus possess industrial applicability because the subject matter claimed can be made or used in industry. The compounds of the instant claimed invention may be useful in the medical industry as potential theraceutic compounds.

Form PCT/ISA/237 (Box No. V) (April 2007)